



#15/I.D.S.

Sheet 1 of 4

Based on Form PTO-1449 (3/90)	ATTY. DOCKET NO.	SERIAL NO.
	454313-3154.1	09/760,574
	APPLICANT	RECEIVED
AUDONNET ET AL		MAY 23 2003
FILING DATE	GROUP	TECH CENTER 1600/2900
January 16, 2001	1635	

U.S. PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	US 5 545 412	08/13/96	Eppstein et al.			
	AB	US 4 946 787	08/07/90	Eppstein et al.			
	AC	US 6 287 856	09/11/01	Poet et al.			
	AD	US 5 910 488	06/08/99	Nabel et al.			
	AE	US 5 620 896	04/15/97	Herrmann et al.			
	AF	US 5 643 578	07/01/97	Robinson et al.			
	AG	US 6 451 770	09/17/02	Rijsewijk et al.			
	AH	US 5 705 385	01/06/98	Bally et al.			
	AI	US 6 019 980	02/01/00	Li et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AJ	WO 94 21797	09/29/94	WIPO				
	AK	WO 93 19183	09/30/93	WIPO				
	AL	WO 90 11092	10/04/90	WIPO				
	AM	WO 97 23502	07/03/97	WIPO				
	AN	WO 96 06619	03/07/96	WIPO				
	AO	WO 92 05255	04/02/92	WIPO				
	AP	WO 00 24428	05/04/00	WIPO				

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

DA	AQ		Roberto Bei et al., Journal of Immunotherapy, 1998 "The Use of a Cationic Liposome Formulation (DOTAP) Mixed with a Recombinant Tumor-Associated Antigen to Induce Immune Responses and Protective Immunity in Mice"
DR	AR		R. Braun et al., Journal of General Virology 1998, "Compatibility of plasmids expressing different antigens in a single DNA vaccine formulation"
EXAMINER			DATE CONSIDERED 2-21-04

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Sheet 2 of 4

Based on Form PTO-1449 (3/90)			ATTY. DOCKET NO. 454313-3154.1	SERIAL NO. RECEIVED 09/760,574			
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)			APPLICANT AUDONNET ET AL	MAY 23 2003 TECH CENTER 1600/2900			
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	AC						YES NO
	AD						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>JF</i>	AE		Yoshifumi Watanabe et al., J. Bircher 1994 "Highly Efficient Transfection into Primary Cultured Mouse Hepatocytes by Use of Cation-Liposomes: An Application for Immunization"				
	AF		Nash Blood 1991 (abstract)				
	AG		NP Restifo et al., Gene Therapy 2000, "The Promise of Nucleic Acid Vaccines"				
	AH		Eiichi Okada et al., Journal of Immunology 1997, "Intranasal Immunization of a DNA Vaccine IL-12- and Granulocyte-Macrophage Colony-Stimulating Factor (GM-CSF)-Expressing Plasmids in Liposomes Induces Strong Mucosal and Cell-Mediated Immune Responses Against HIV-1 Antigens"				
	AI		Masayuki Yokoyama et al., FEM Immunology and Medical Microbiology 1996, "DNA Immunization: Effects of Vehicle and Route of Administration on the Induction of Protective Antiviral Immunity"				
	AJ		Linda S. Klavinskis et al., J. Immunol 1999, "Intranasal Immunization with Plasmid DNA-Lipid Complexes Elicits Mucosal Immunity in the Female Genital and Rectal Tracts"				
	AK		Jae Ho Cho et al., Vaccine 1999, "Enhanced Cellular Immunity to Hepatitis C Virus Nonstructural Proteins by Codelivery of Granulocyte Macrophage-Colony Stimulating Factor Gene in Intramuscular DNA Immunization"				
	AL		Michael D. Macklin et al., Journal of Virology, February, 1998, page 1491-1496, "Immunization of Pigs with a Particle-Mediated DNA Vaccine to Influenza a Virus Protects against Challenge with Homologous Virus"				
	AM		Van Rooij et al., Veterinary Immunology and Immunopathology, 2000, "A DNA Vaccine Coding for Glycoprotein B of Pseudorabies Virus Induces Cell-Mediated Immunity in Pigs and Reduces Virus Excretions Early After Infection"				
<i>JF</i>	AN		Bart L. Haagmans et al., Vaccine, 1999, "Vaccination of Pigs Against Pseudorabies Virus with Plasmid DNA Encoding Glycoprotein D"				
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	AB						YES NO
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AC	Boroushan Pirzadeh et al., Journal of General Virology, 1998, "Immune Response in Pigs Vaccinated with Plasmid DNA Encoding ORF5 of Porcine Reproductive and Respiratory Syndrome Virus"					
	AD	C. Somasundaram et al., Veterinary Immunology and Immunopathology, 1999, "Enhanced Protective Response and Immuno-Adjuvant Effects of Porcine GM-CSF on DNA Vaccination of Pigs against Aujeszky's Disease Virus"					
	AE	Jeong-Im Sin et al., Vaccine, Vol. 15, 1997, "Protective Immunity Against Heterologous Challenge with Encephalomyocarditis Virus by VP1 DNA Vaccination: Effect of Coinjection with a Granulocyte-Macrophage Colony Stimulating Factor Gene"					
	AF	S. Inumaru et al., Immunology and Cell Biology, 1995, XP-000946635, "cDNA Cloning of Porcine Granulocyte-Macrophage Colony-Stimulating Factor"					
	AG	Colin J. McInnes et al., Gene, 1991, XP-002148815, "Cloning and Expression of a cDNA Encoding Ovine Granulocyte-Macrophage Colony-Stimulating Factor"					
	AH	Lorne A. Babiuk et al., Veterinary Immunology and Immunopathology, 2000, "Nucleic Acid Vaccines: Research Tool or Commercial Reality"					
	AI	Jan Schultz et al., Intervirology 2000, "Update on Antiviral DNA Vaccine Research" (1998-2000) "					
	AJ	Parker et al., XP-002153286, "Cancer Gene Therapy" 1996					
	AK	Michael J. McCluskie et al., Molecular Medicine, 1999, "Route and Method of Delivery of DNA Vaccine Influence Immune Responses in Mice and Non-Human Primates"					
	AL	L.A. Babiuk et al., "DNA Immunization with Bovine Herpesvirus-1 Genes" 1995					
	AM	Weiwen Jiang et al., Vaccine, Vol. 16, 1998, "Nucleic Acid Immunization Protects Dogs against Challenge with Virulent Canine Parvovirus"					
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LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)			APPLICANT AUDONNET ET AL				
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							YES
							NO
	AC						
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DD	AD		Masashi Sakaguchi et al., Vaccine, Vol. 14, 1996, "Protection of Chickens from Newcastle Disease by Vaccination with a Linear Plasmid DNA Expressing the F Protein of Newcastle Disease Virus"				
	AE		Jon A. Norman et al., Vaccine, Vol. 15, 1997, "Development of Improved Vectors for DNA-Based Immunization and other Gene Therapy Applications"				
	AF		K. M. Ruitenberg et al., Vaccine, Vol. 17, 1999, pages 237-244, "DNA-Mediated Immunization with Glycoprotein D of Equine Herpesvirus 1 (EHV-1) in a Murine Model of EHV-1 Respiratory Infection"				
	AG		Ann Hwee Lee et al., Vaccine, Vol. 17, 1999, pages 473-479, "DNA Inoculations with HIV-1 Recombinant Genomes that Express Cytokine Genes Enhance HIV-1 Specific Immune Responses"				
	AH		Seung Woo Lee et al., Vaccine, Vol. 17, 1999, pages 490-496, "IL-6 Induces Long-term Protective Immunity against a lethal challenge of Influenza Virus"				
	AI		Elanchezhiyan Manickan et al., Critical Reviews in Immunology, 1997, "DNA Vaccines - A Modern Gimmick or a Boon to Vaccinology"				
	AJ		P. Jeffrey Lewis et al., Vaccine, Vol. 15, pp. 861-864, 1997, "Polynucleotide Vaccines in Animals: Enhancing and Modulating Responses"				
	AK		Nikolaus Osterrieder et al., Virology, 1995, "Protection against EHV-1 Challenge Infection in the Murine Model after Vaccination with Various Formulations of Recombinant Glycoprotein gp 14 (gB)"				
	AL		Zhi Quan Xiang et al., Virology, 1995, pp. 569-579, XP-002029171 "Immune Responses to Nucleic Acid Vaccines to Rabies Virus"				
	AM		J.M. Furze et al., Virology, 1997, vol. 231, pages 48-58, "Antigenically Distinct G Glycoproteins of BRSV Strains Share a High Degree of Genetic Homogeneity"				
	AN		Naik, S. and Shaila, MS. "Characterization of membrane-bound and membrane anchor-less forms of hemagglutinin glycoprotein of Rinderpest virus expressed by baculovirus recombinants" Virus Genes 1997, Vol 14, No 2:95-104. (Abstract)				
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